



State of California
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California Environmental Protection Agency
Jared Blumenfeld
*Secretary of the
Environment*



State Water Resources Control Board
E. Joaquin Esquivel, Chair

Regional Water Quality Control Board,
Central Valley Region
Karl Longley, Chair

Contact:

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PUBLIC NOTICE:
Proposed No Further Action Determination

Former ARCO Station No. 6100
25775 S. Patterson Pass Road, Tracy, San Joaquin County
Case #390265
GeoTracker Global ID:
T0607700192

The Central Valley Regional Water Quality Control Board (Central Valley Water Board) invites public comment on the proposed No Further Action Determination and closure of the Former ARCO Station No. 6100 underground storage tank case, located at 25775 S. Patterson Pass Road in Tracy, CA (site). A map showing the site investigation area and the current remaining extent of petroleum impacts to groundwater above water quality objectives is attached as Figure 1.

PUBLIC COMMENT PERIOD:

17 February 2020 through 22 April 2020 (65 days)

CASE SUMMARY:

The site property is currently occupied by an active Mobil-branded fueling station located west of the intersection of South Patterson Pass Road and Interstate 580 in Tracy, California. Aboveground facilities consist of a station building containing a mini-mart, two dispenser islands, associated product lines, and a restroom building. The site currently utilizes four 10,000-gallon gasoline underground storage tanks (USTs). An on-site domestic water supply well, sourced in a deep aquifer located between 396 and 536 feet below ground surface (bgs), is used as a source of drinking water at the site. The majority of the site is paved with an asphalt parking lot and has common landscaping throughout. The area surrounding the site is undeveloped land zoned for agricultural or industrial use. According to the United States Geological Survey, the elevation of the site is approximately 290 feet above mean sea level sloping down toward the southeast. The closest open bodies of water are the concrete-lined California Aqueduct, which is located approximately 1,000 feet northeast of the site, and two intermittent streams located northwest and southeast of the site at approximate distances of 1,000 and 1,500 feet, respectively.

Excavation and assessment activities completed between 1990 and 2018 generated 381 soil samples from 122 locations collected at depths ranging from approximately 2.5 to 200 feet bgs; 25 shallow zone wells with screen depths ranging between 9.5 and 88 feet bgs and 13 deep zone wells with screen depths ranging between 43.5 and 115 feet bgs were also installed. The majority of elevated soil concentrations around the former USTs and associated product piping suggest a fuel release occurred beneath the dispensers, product lines, and/or former USTs.

Approximately 2,500 cubic yards of impacted soil were excavated during the gasoline UST replacements in February 1991, and approximately 315 tons of soil were excavated during replacement of dispensers and product piping in February 2002.

Approximately 284 gallons of light non-aqueous phase liquid (LNAPL) were removed from site monitoring wells between September 2000 and March 2010. Measurable LNAPL has not been observed at the site since February 2015.

Between March 2004 and May 2018, soil vapor extraction/air sparging was used as a remedial technology to remove petroleum hydrocarbons from the soil. Approximately 182,753 pounds of total petroleum hydrocarbons as gasoline range organics (GRO) were removed from the subsurface, including 1,060 pounds of benzene, and 100 pounds of methyl tertiary butyl ether (MTBE).

Remediation and natural attenuation have significantly reduced petroleum hydrocarbons in soil and groundwater at the site to concentrations below the California State Water Resources Control Board's Low-Threat Underground Storage Tank Case Closure Policy (LTC Policy) screening levels. It is estimated that GRO and benzene concentrations will reach water quality objectives by the end of 2020. Additionally, the results of the confirmation soil sampling completed in October 2018 near historical borings with previously elevated petroleum hydrocarbon concentrations confirmed that impacts have been sufficiently remediated, and petroleum hydrocarbons have been removed to the extent practicable.

The remaining hydrocarbon impacts to subsurface soil and groundwater do not appear to pose any significant threat to human health, the environment, or future site activities. Due to the low threat posed to human health, this site has been recommended for closure by Arcadis U.S., Inc. under California's LTC Policy. Once all public comments have been reviewed, the Central Valley Water Board will consider closing the case.

FOR MORE INFORMATION

Additional information is available on the State Water Resources Control Board GeoTracker website at <http://geotracker.waterboards.ca.gov/> and the case file, which is available for review at the Central Valley Water Board office in Rancho Cordova. To make an appointment for a file review, please call (916) 464-3291.

Please contact Alan M. Buehler with the Central Valley Water Board if you have any comments/questions regarding the Former ARCO Station No. 6100 release, the cleanup activities at the site, or any of the information in this Fact Sheet:

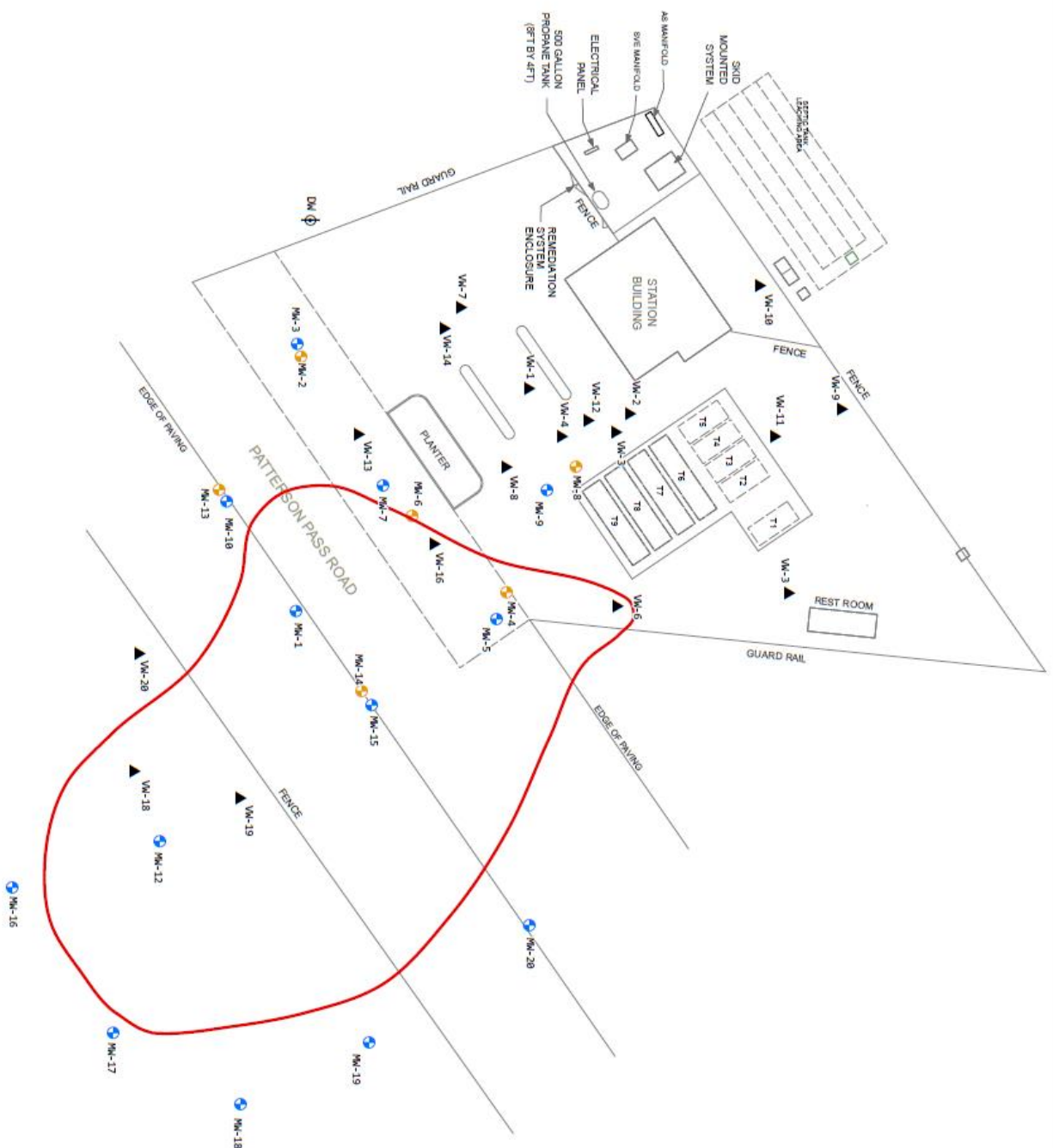
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Notice to the Hearing Impaired

TDD users can obtain information about the site by using the California State Relay Service (800) 735-2929 to reach the Public Participation Specialist. Ask them to contact the Central Valley Water Board at (916) 464-3291 regarding the proposed “No Further Action” determination for the Former ARCO Station No. 6100 release.

Attachments:

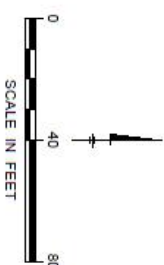
Figure 1 – Remaining maximum extent of petroleum impact to groundwater above Water Quality Objectives



- LEGEND:**
- MONITORING WELL (DEEP ZONE)
 - MONITORING WELL (SHALLOW ZONE)
 - ▲ VAPOR EXTRACTION WELL
 - ▲ DOMESTIC SUPPLY WELL
 - REMAINING MAXIMUM EXTENT OF PETROLEUM IMPACT TO GROUNDWATER ABOVE WATER QUALITY OBJECTIVES

NOTES:

1. BASE MAP ADAPTED FROM A FIGURE BY STANTEC, INC., TITLED "SITE PLAN", DATED JULY 30, 2009, AT A SCALE OF 1"=40'.



FORMER ARCO SERVICE STATION NO. 6100
25775 SOUTH PATTERSON PASS ROAD, TRACY, CALIFORNIA
**REMAINING MAXIMUM EXTENT OF PETROLEUM
IMPACT TO GROUNDWATER ABOVE WATER
QUALITY OBJECTIVES,**
AUGUST 30, 2019